

Di-LOG
...measurably better

DL9307 - Insulation Multimeter



The DL9307 is a hand held Insulation Multimeter, combining features of an Insulation tester and a highly accurate TRMS Multimeter

The DL9307 with an insulation test up to 1000V, AC/DC voltage and Temperature measurement, provides maximum versatility for both the troubleshooting and preventative maintenance industry, making the DL9307 a must have tool for the maintenance engineer.

Key Features

- Insulation Test Volt 125, 250, 500 & 1kV
- Insulation Test 0.001MΩ to 4000MΩ
- Auto Discharge of Capacitive Voltage
- Min/Max Function
- K-type Thermocouple
- True RMS Readings
- IP67 Waterproof and Auto Power Off
- Wireless USB Interface



Di-LOG
GROUP

Sales Freephone
0800 018 9112
Email
sales@dilog.co.uk

www.dilog.co.uk

DL9307 - SPECIFICATIONS

DC Voltage (Auto-ranging)

Max Range	Resolution	Accuracy
1000V	0.1V	±0.06 % of rdg ± 4 dgts

Input Impedance: 10MΩ.

Maximum Input: 1000V DC or 1000V AC rms.

AC Voltage (Auto-ranging)

Max Range	Resolution	Accuracy
1000V	0.1V	±1.0 % of rdg ± 30 dgts

Input Impedance: 10MΩ.

Frequency Range: True RMS, 50 to 400Hz

Maximum Input: 1000V DC or 1000V AC rms.

DC Current (Auto-ranging)

Max Range	Resolution	Accuracy
10.00A	0.001A	±1.0 % of rdg ± 3 dgts

Overload Protection: 0.8A / 1000V and 10A / 1000V Fuse.

Maximum Input: 400uA DC on uA range, 400mA DC on mA range, 10A DC on 10A range (20A: 30Seconds max with reduced accuracy)

AC Current (Auto-ranging)

Max Range	Resolution	Accuracy
10.00A	0.001A	±1.5 % of rdg ± 30 dgts

Overload Protection: 0.5A / 1000V and 10A / 1000V Fuse.

Frequency Range: True RMS, 50 to 60Hz.

Maximum Input: 400uA AC on uA range, 400mA AC on mA range, 10A AC on 10A range (20A: 30Seconds max with reduced accuracy)

Resistance (Auto-ranging)

Max Range	Resolution	Accuracy
40.00MΩ	0.0001MΩ	±0.3 % of rdg ± 4 dgts

Input Protection: 1000V DC or 1000V AC RMS.

Diode Test

Test current: 0.9mA typical/Open MAX 3V DC

Open circuit voltage: MAX 2.8V DC

Overload protection: 1000V DC AC RMS.

Audible continuity

Audible threshold: Less than 100Ω;

Test current: 0.35mA

Overload protection: 1000V DC or AC RMS.

Frequency (Auto-ranging)

Range	Resolution	Accuracy
40.00MHz	0.01MHz	±0.1 % of rdg ± 1 dgts

Sensitivity: 0.8V RMS @ 20% to 80% duty cycle and (100kHz

Sensitivity: 5V RMS @ 20% to 80% duty cycle and > 100kHz

Input Protection: 1000V DC or 1000V AC RMS

Duty Cycle

Range	Resolution	Accuracy
0.1% - 99.9%	0.0%	±1.2 % of rdg ± 2 dgts

Pulse Width: >100us to 100ms; **Frequency Width:** 5Hz - 150kHz

Sensitivity: >0.8V RMS; **Overload Protection:** 1000V DC or AC rms

Temperature (Auto-ranging)

Range	Resolution	Accuracy
-50°C - 1200°C	0.1°C	±1% of rdg ± 2.5°C
-58°F - 2192°F	0.1°F	±1% of rdg ± 4.5°F

Sensor: Type K Thermocouple (Accuracy not included)

Overload Protection: 1000V DC or AC RMS.

Insulation

Range	Resolution	Resolution	Accuracy
125V (0%-10%)	0.125-4.000MΩ 4.001-40.00MΩ	0.001MΩ 0.01MΩ	±2% of rdg ± 10 dgts ±2% of rdg ± 10 dgts
1mA @ load 125KΩ ISC ≤1mA	40.01-400.0MΩ 400.1-4000MΩ	0.1MΩ 1MΩ	±4% of rdg ± 5 dgts ±4% of rdg ± 5 dgts
250V (0%-10%)	0.250-4.000MΩ 4.001-40.00MΩ	0.001MΩ 0.01MΩ	±2% of rdg ± 10 dgts ±2% of rdg ± 10 dgts
1mA @ load 250KΩ SC ≤1mA	40.01-400.0MΩ 400.1-4000MΩ	0.1MΩ 1MΩ	±3% of rdg ± 5 dgts ±4% of rdg ± 5 dgts
500 (0%-10%)	0.500-4.000MΩ 4.001-40.00MΩ	0.001MΩ 0.01MΩ	±2% of rdg ± 10 dgts ±2% of rdg ± 10 dgts
1mA @ load 500KΩ ISC ≤1mA	40.01-400.0MΩ 400.1-4000MΩ	0.1MΩ 1MΩ	±2% of rdg ± 5 dgts ±4% of rdg ± 5 dgts
1000V (0%-10%)	1.000-4.000MΩ 4.001-40.00MΩ	0.001MΩ 0.01MΩ	±2% of rdg ± 10 dgts ±2% of rdg ± 10 dgts
1mA @ load 1MΩ ISC ≤1mA	40.01-400.0MΩ 400.1-4000MΩ	0.1MΩ 1MΩ	±4% of rdg ± 5 dgts ±4% of rdg ± 5 dgts

Input Impedance: 10MΩ.

Maximum Input: 1000V DC or 1000V AC rms.

Information

Supplied with battery

Dimensions: 220(H) x 96.5(W) x 60.5(D) mm

Weight: 631g

**All Di-log Multimeters
supported by a
2 Year Warranty**

CE EMC & LVD
EN:61326, 61010-1 CAT IV 600V & CAT III
1000V, 61010-02-031

Di-log Test Equipment
Unit 28 Wheel Forge Way
Trafford Park
Manchester
M17 1EH

Sales: (0161) 877 0322

Fax: (0161) 877 1614

Email: sales@dilog.co.uk